

MECHANICAL WEIGHTLIFTING MACHINE

ABSTRACT OF THE DISCLOSURE

A mechanical weightlifting machine for use with free weights in which the machine has a support structure with an elevated pivot having a pivot axis and an articulating mechanism engaging the pivot. The articulating mechanism having projecting lever arms connected to the pivot with depending rod members to which the free weights are connected, the articulating mechanism having a counterweight on a lever arm with one end connected to the support structure and another having a link connected to a displaceable connection member on the articulating mechanism, the machine having a user controlled actuator to displace the displaceable connection member to vary the effective weight applied to or removed from the free weights.

05005461-000497